

ABSTRACT OF THE DISCLOSURE

A dual-clutch planetary transmission comprises a plurality of planetary gear sets, two frictionally engaged gearshifting elements for connecting various power trains to a power flux, and a plurality of form-fit gearshifting elements for adjusting various gear ratios in the power trains. The frictionally engaged gearshifting elements and the form-fit gearshifting elements are arranged between the shafts of the planetary gearsets, a housing and a transmission input shaft and a transmission output shaft such that the gear ratios can be changed in a lower gear ratio range via the frictionally engaged gearshifting elements without an interruption of tractive force. One of the frictionally engaged gearshifting elements is configured as a clutch. A second planetary gearset, a third planetary gearset and a fourth planetary gearset form a three-stage-5-shaft transmission or a reduced three-stage-five-shaft transmission, wherein the planetary gearsets are configured to have separate planetary gears or two planetary gearsets are interlinked via double planetary gears without any intermediate stages.